1.   (Currently amended)   A polyethylene composition with multimodal molecular mass distribution, which has a density in the range of from 0.949 to 0.955 g/cm³ at 23 °C, a $MFI_{190/5}$ in the range from 0.1 to 0.3 dg/min or a $MFI_{190/21.6}$ in the range of 4 to 6 dg/min, and which comprises from 38 to 45 % by weight of a low-molecular-mass ethylene homopolymer A; from 30 to 40 % by weight of a high-molecular-mass copolymer B made from ethylene and a first 1-olefin comonomer having from 4 to 8 carbon atoms; and from 18 to 26 % by weight of an ultrahigh-molecular-mass ethylene copolymer C containing a second 1-olefin comonomer, wherein all of the percentage data are based on the total weight of the molding composition, and the polyethylene composition comprises a stress-crack resistance (FNCT) in the range of from 60 to 110 h.

2.   (Previously presented)   The polyethylene composition as claimed in claim 1, wherein the first 1-olefin comonomer is present in an amount from 0.1 to 0.2 % by weight based on the weight of copolymer B, and the second 1-olefin comonomer is present from 2 to 3 % by weight of co-monomers, based on the weight of copolymer C.

3.   (Previously presented)   The polyethylene composition as claimed in claim 1 the first 1-olefin and second 1-olefin comonomers are independently selected from 1-butene, 1-pentene, 1-hexene, 1-octene, 4-methyl-1-pentene, or a mixture of these.

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4. (Previously presented) The polyethylene composition as claimed in claim 1, which has a viscosity number VN_{tot} in the range of from 460 to 500 cm³/g measured to ISO/R 1191 in decalin at 135 °C.

5. (Currently amended) The polyethylene composition as claimed in claim 1, which has a swell ratio index in the range of from 175 to 205 %, and a notched impact strength (ISO) in the range of from 30 to 60 kJ/m², ~~and a stress-crack resistance (FNCT) in the range of from 60 to 110 h~~.

6. (Currently amended) A process for producing a polyethylene composition with multimodal molecular mass distribution, which has a density in the range of from 0.949 to 0.955 g/cm³ at 23 °C, a $MFI_{190/5}$ in the range from 0.1 to 0.3 dg/min or a $MFI_{190/21.6}$ in the range of 4 to 6 dg/min, and which comprises from 38 to 45 % by weight of a low-molecular-mass ethylene homopolymer A; from 30 to 40 % by weight of a high-molecular-mass copolymer B made from ethylene and a first 1-olefin comonomer having from 4 to 8 carbon atoms; and from 18 to 26 % by weight of an ultrahigh-molecular-mass ethylene copolymer C containing a second 1-olefin comonomer, wherein all of the percentage data are based on the total weight of the molding composition, and the polyethylene composition comprises a stress-crack resistance (FNCT) in the range of from 60 to 110 h, wherein the monomers are polymerized in slurry in a temperature range of from 60 to 90 °C at a pressure in the range of from 0.15 to 1 MPa, and in the presence of a high-mileage Ziegler catalyst composed of a transition metal compound and of an organoaluminum compound, the process comprising conducting polymerization in three stages, where

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the molecular mass of the polyethylene prepared in each stage is regulated with the aid of hydrogen, thereby forming a hydrogen concentration in each stage.

7. (Previously presented) The process as claimed in claim 6, wherein the hydrogen concentration in the first polymerization stage is adjusted so that a viscosity number VN_1 of the low-molecular mass ethylene homopolymer A is in the range of from 160 to 220 cm^3/g.

8. (Previously presented) The process as claimed in claim 6, wherein the hydrogen concentration in the second polymerization stage is adjusted so that a viscosity number VN_2 of a mixture of polymer A and polymer B is in the range of from 250 to 300 cm^3/g.

9. (Previously presented) The process as claimed in claim 6, wherein the hydrogen concentration in the third polymerization stage is adjusted so that a viscosity number VN_3 of a mixture of polymer A, polymer B, and polymer C is in the range of from 460 to 500 cm^3/g.

10. (Currently amended) A process for producing a container having a capacity in a range from 10 to 150 dm^3 (l) from a polyethylene composition with multimodal molecular mass distribution, which has a density in the range of from 0.949 to 0.955 g/cm^3 at 23 °C, a $MFI_{190/5}$ in the range from 0.1 to 0.3 dg/min or a $MFI_{190/21.6}$ in the range of 4 to 6 dg/min, and which comprises from 38 to 45 % by weight of a low-molecular-mass ethylene homopolymer A; from 30 to 40 % by weight of a high-molecular-mass copolymer B made from ethylene and a first 1-olefin comonomer having

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from 4 to 8 carbon atoms; and from 18 to 26 % by weight of an ultrahigh-molecular-mass ethylene copolymer C containing a second 1-olefin comonomer, wherein all of the percentage data are based on the total weight of the molding composition, and the polyethylene composition comprises a stress-crack resistance (FNCT) in the range of from 60 to 110 h, the process comprising:

(a) plasticizing the polyethylene composition in an extruder in a temperature range of from 200 to 250 °C;

(b) extruding the product of step (a) through a die into a blow mold;

(c) blowing up the product of step (b) in a blow molding apparatus, thereby forming the container; and

(d) solidifying the container by cooling.